

Hello,

In this document you will find the agenda for the 2009 MSCP Annual Report Workshop and several of the PowerPoint Presentations. The presentations are in the order that they occurred at the actual workshop. Unfortunately, only four of the participants sent us their presentations.

When speaker notes are available you can access them by clicking on the comment bubble in the upper left corner.

2009 MSCP Annual Report Workshop
Balboa Park Ballroom
2150 Pan American Rd W. San Diego, CA 92101

Tuesday, May 18, 2010
9:00am – Noon

9:00 am **Poster Session**

9:30 am **Welcome/Overview/Introductions, *Tom Oberbauer, County of San Diego***

9:35 am **Jurisdictional Reports**

- * **City of Chula Vista, *Marisa Lundstedt and Josie McNeeley***
Maritime succulent scrub mitigation & Cactus wren restoration efforts
- * **County of San Diego, *Jared Underwood and Trish Boaz***
Update on the North and East County MSCP, Update on the Burrowing owl mitigation strategy in East Otay Mesa, & Resource management plans
- * **City of San Diego, *Jeanne Krosch***
Vernal Pool HCP & clarifications to the Land Development Code/ Environmentally Sensitive Lands Regulations and Amendments to the Biology Guidelines

10:00 am **Resource Agencies Reports**

- * **Bureau of Land Management, *Joyce Schlacter***
Update on Thorne's hairstreak butterfly and Tecate cypress monitoring.,
Update on Draft BLM South Coast Resource Management Plan, Land Acquisition, & Fuels management
- * **U.S. Fish and Wildlife Service/National Wildlife Refuge, *Clark Winchell and John Martin***
Cactus wren regional study & on-going monitoring & restoration results on Refuge lands
- * **CA Department of Fish and Game, *Randy Rodriguez and Jason Price***
Enforcement issues and solutions regarding illegal off-highway vehicle use

10:25 am **Break**

10:40 am **U.S. Geological Survey Species Report, *Barbara Kus and Carlton Rochester***
Bird monitoring activities and Western pond turtles

11:00 am **San Diego Association of Governments (SANDAG), *Keith Greer and Ron Rempel***
TransNet Environmental Mitigation Program, TransNet land acquisitions, Funding for regional monitoring, Funding for land management, Triennial Report, & regional research needs

11:20 am **Questions & Answers Regarding Covered Species**
Panel: Ron Rempel, David Zoutendyk, David Mayer, Carlton Rochester, Tom Oberbauer, and Betsy Miller

11:40 am **General Questions**

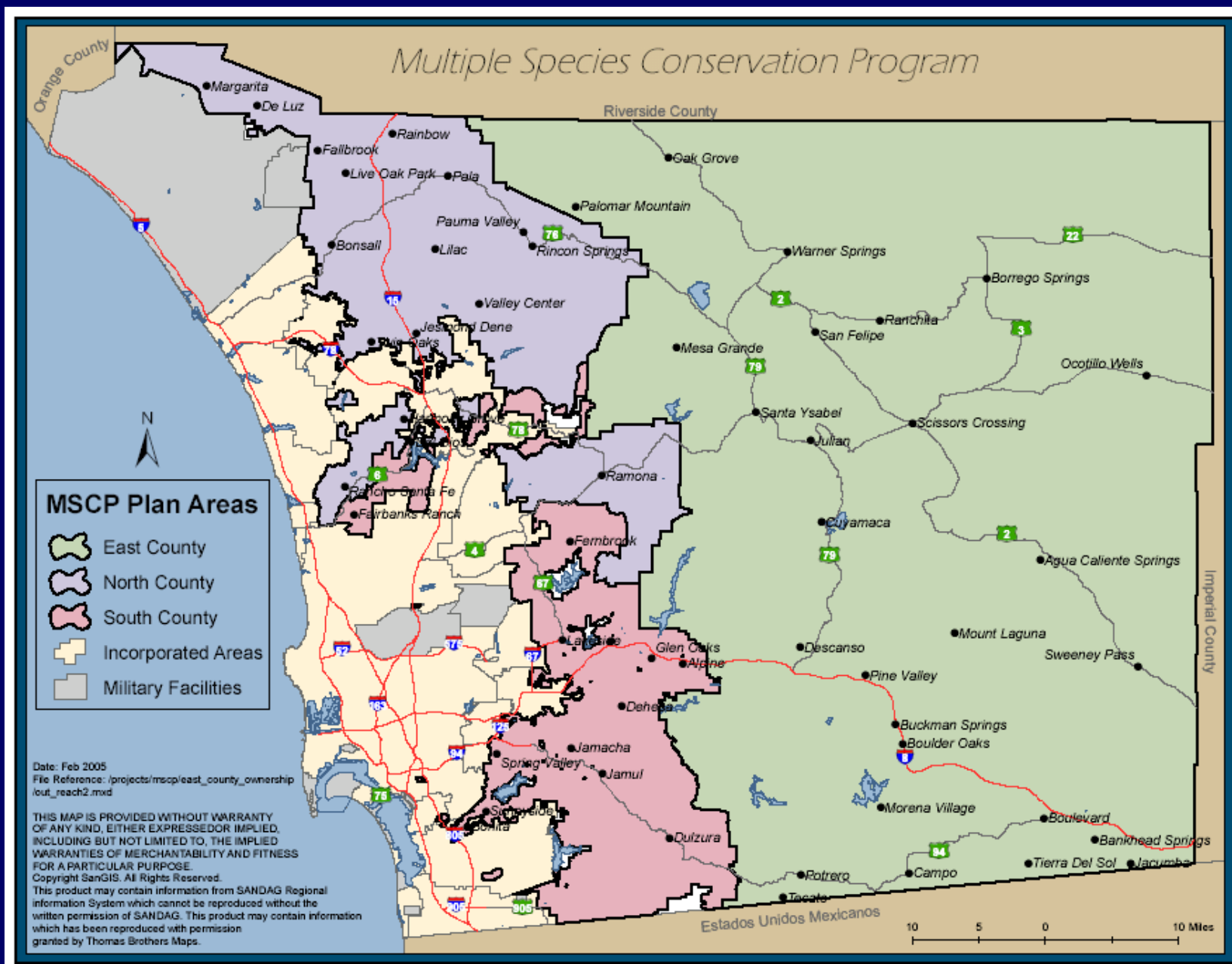
County of San Diego: Multiple Species Conservation Program

Annual Report Workshop
May 18, 2010





Plan Areas





Next Steps

North County Plan

- Public Review of Plan.....Summer/Fall 2010
- Review of Draft EIR/EIS.....Summer/Fall 2010

East County Plan


- Plan Development Resumes.....Late 2010



County of San Diego

Burrowing Owl Strategy





1970s = 250-300 pair
2010 = 40-50 pair



Why the decline?

- Loss of habitat
- Reduced habitat suitability
- Habitat fragmentation
- Human disturbances (pets and vehicles)
- Unknown causes



Examples of Grassland Habitat on East Otay Mesa

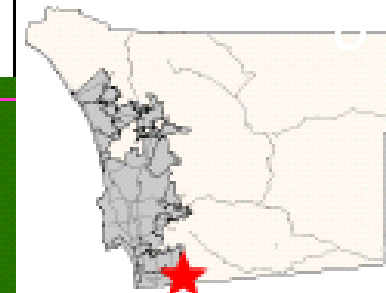
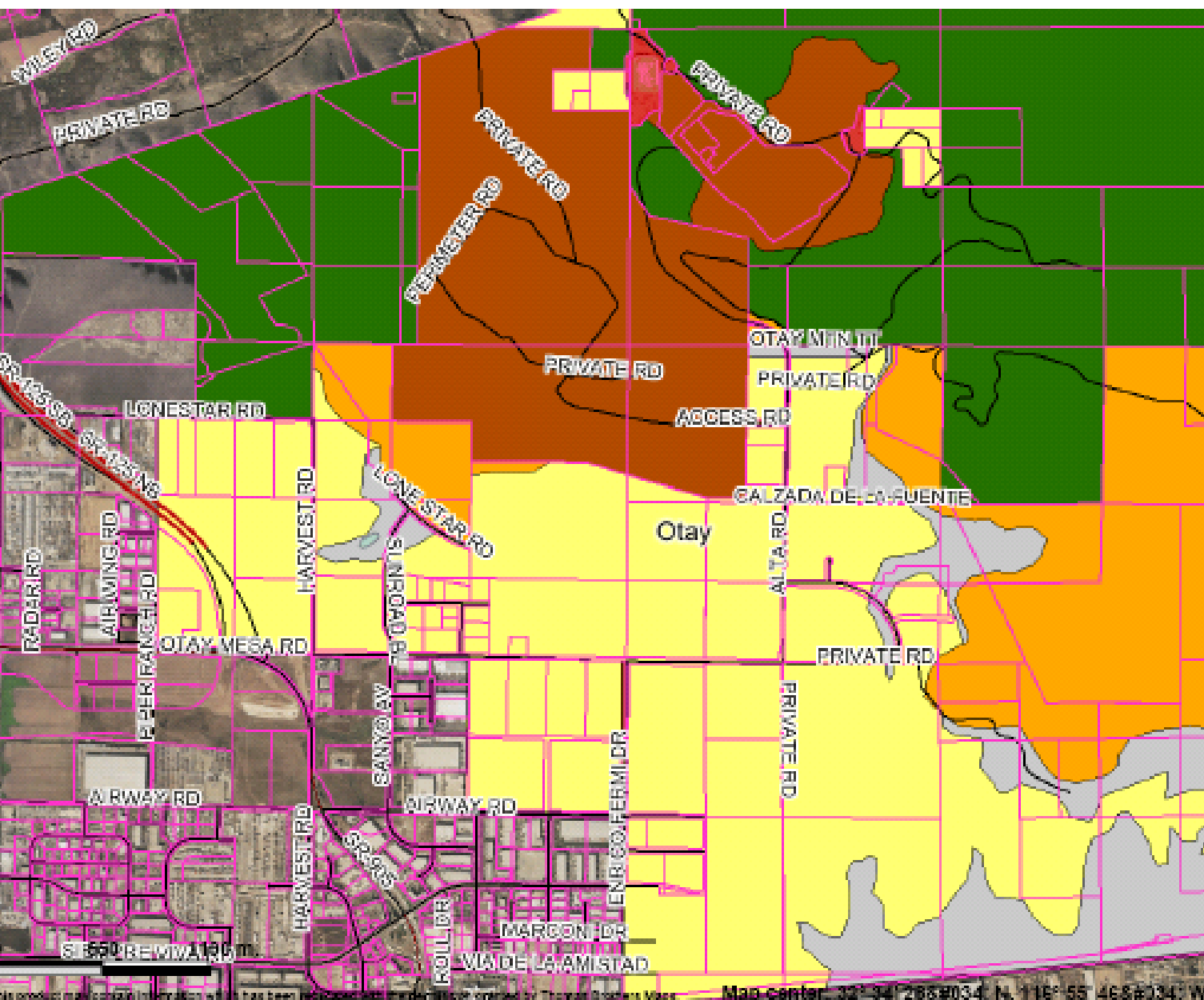


Disturbed non-native
grasslands near border



Vernal pool & mima mounds at
north end of East Otay Mesa

MSCP Amendment Areas on East Otay Mesa



Legend

- Parcels
- Highways
- Freeways
- Streets
- Water Bodies
- Water Bodies
- MSCP_Designations - South**
- Hardline Preserve
- Pre-Approved Mitigation Area (PAMA)
- Major Amendment Area
- Minor Amendment Area
- Minor Amendment Area Subject to Special Considerations
- Conserved Subject to Agreement with Wildlife Agencies
- Santa Fe Valley Open Space I
- Santa Fe Valley T1 Designator
- Otay Ranch Areas Where No Take Permits will be issued
- Take Authorized Area
- Unincorporated Land in Metro-Lakeside-Joint Segment
- Other
- Sponsor Groups
- Sponsor Groups
- Other
- Community Planning Area
- Community Planning Areas
- 2006 Orthophoto South West
- 2006 Orthophoto South East
- 2006 Orthophoto North West
- 2006 Orthophoto North East



Scale: 1:31,837

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Map center: 32° 34' 28.8034" N, 116° 55' 46.8034" W

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Strategy Elements for East Otay Mesa

- **All remaining grasslands on East Otay Mesa are considered occupied by the Burrowing Owl**
- **Mitigation: half on Otay Mesa/East Otay Mesa, the other half within an approved MSCP subarea plan**
- **Passive relocation of burrowing owls**



For More Information

- **Website:** www.mscp-sandiego.org
- **Email:** mscp@sdcounty.ca.gov
- **Phone:** (858) 694-2964



County of San Diego Department of Parks and Recreation

MSCP Annual Workshop

May 18, 2010





MSCP Implementation

- Resource Management Plans

Resource Management Plan for Del Dios Highlands Preserve San Diego County



June 2009



Resource Management Plan for Sycamore Canyon & Goodan Ranch Preserves San Diego County



June 2009

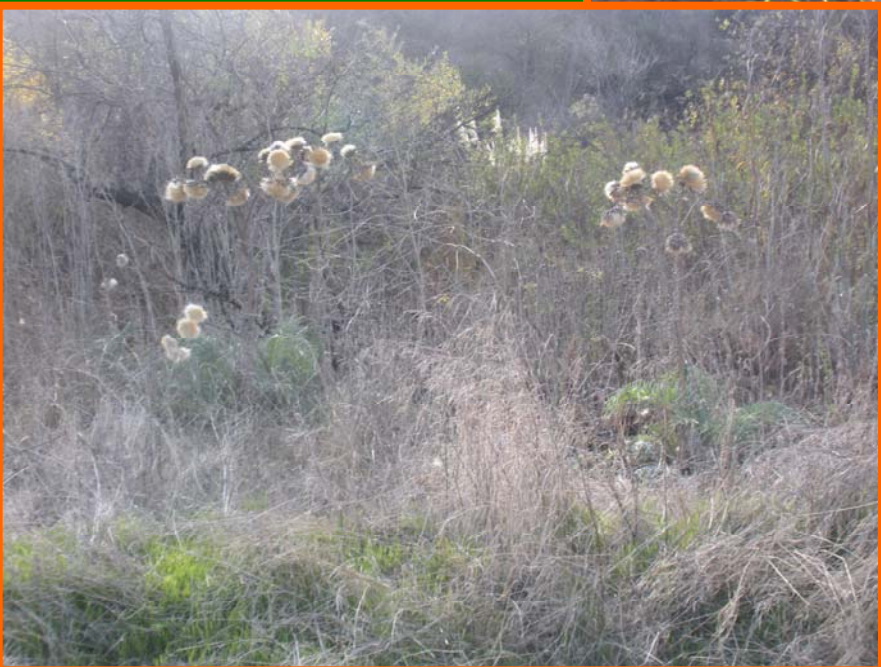


Biological Resources





Vegetation Management





Public Use, Trails and Recreation

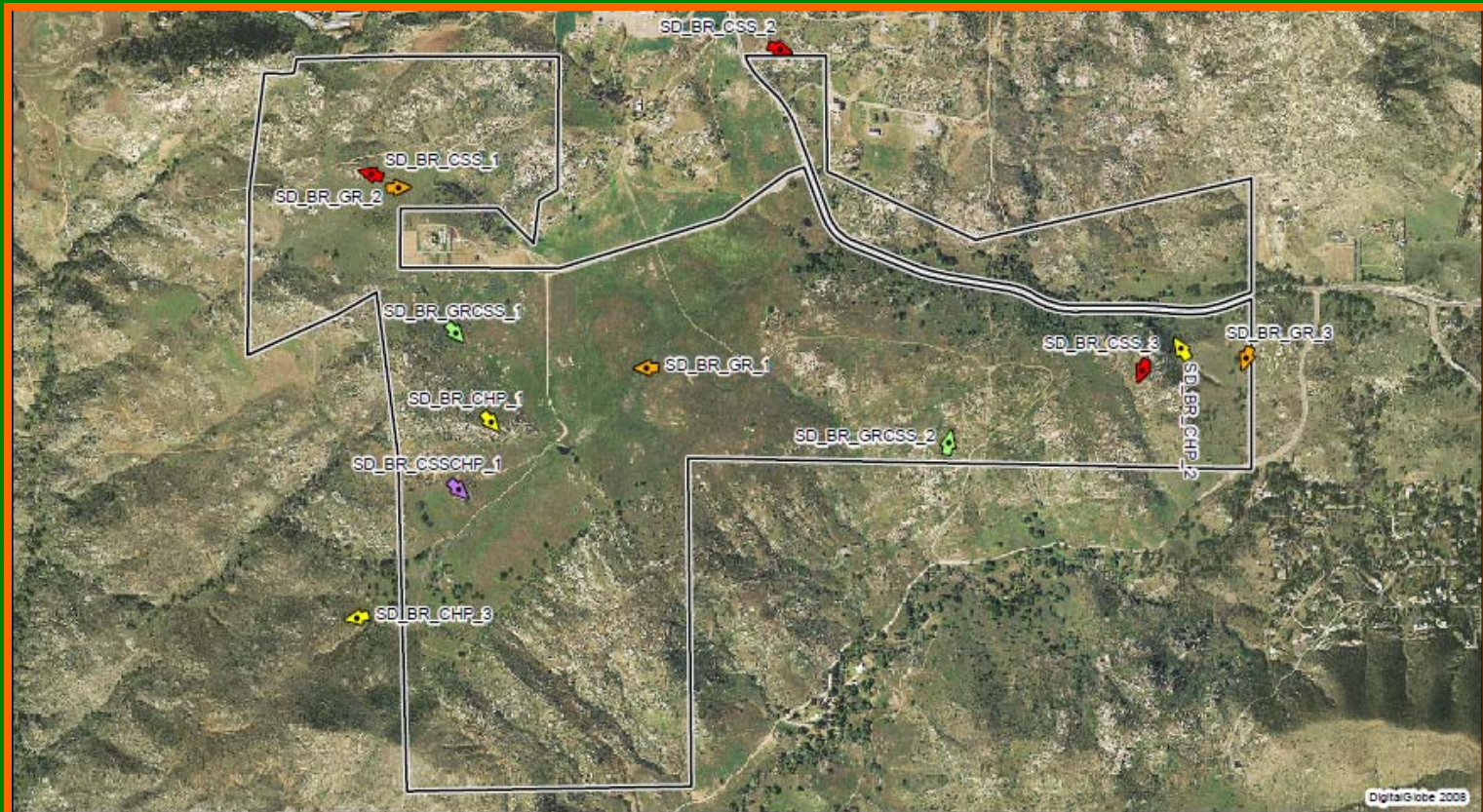


Operations and Facility Maintenance



Monitoring

- Tijuana River Valley Regional Park
- Barnett Ranch



Monitoring Plots*

● Monitoring Plot Location	● Coastal Sage Scrub/Chaparral Ecotone
● Chaparral	● Grassland/Coastal Sage Scrub Ecotone
● Coastal Sage Scrub	
● Grassland	

Basemap Legend

□	Preserve Boundary
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Feet

0 1,360

*Arrow direction is the direction of the transect



Funding Opportunities

- Cactus Wren Restoration Project
- Removal of non-natives
- Fire recovery





Salt Creek Cactus Wren Restoration





Monitoring Coastal Cactus Wrens in San Diego MSCP

Clark Winchell



U.S. Fish & Wildlife Service



Objectives

- ❖ Survey *all* potential habitat
- ❖ Survey areas burned in the 2007 fires
- ❖ Test protocols for landscape level surveys
- ❖ Define habitat parameters
- ❖ Input into management recommendations
- ❖ Provide cost estimates for future work



Coastal Cactus Wren Sample Frame

- ❖ MSCP Preserve Lands
- ❖ Southwest facing slopes
- ❖ Below 1,500 feet elevation



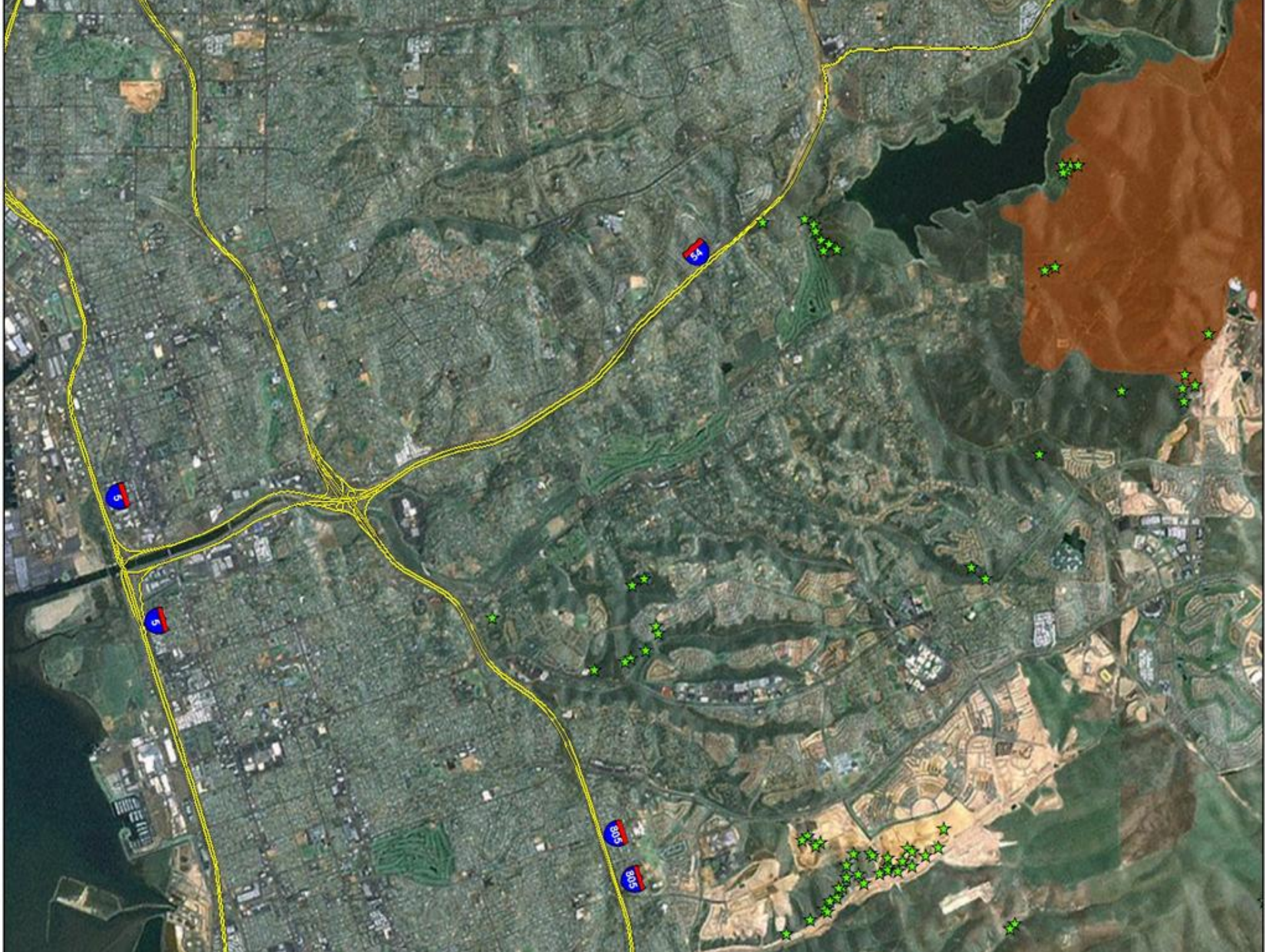
2009 Survey Effort

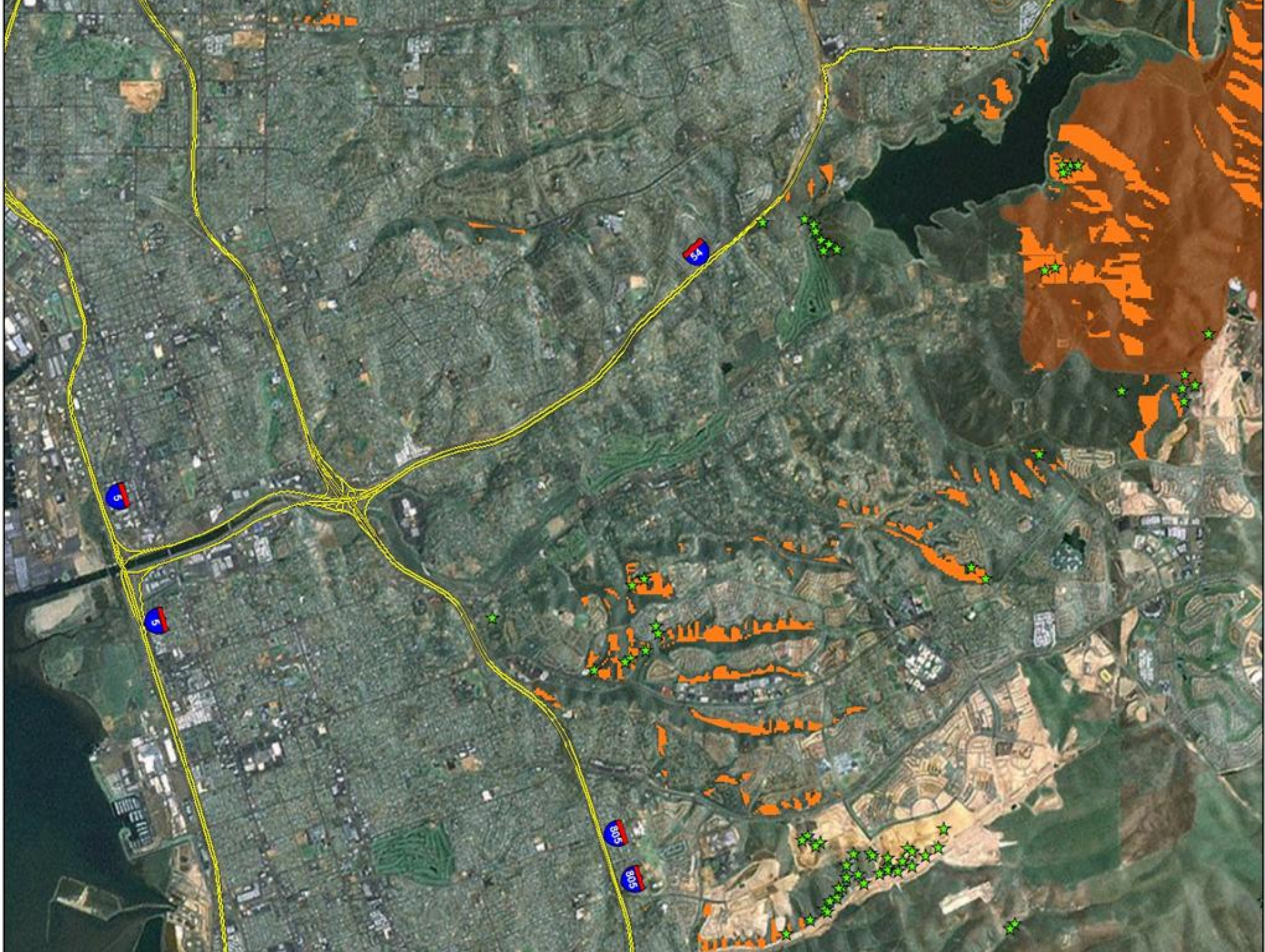
- Mapped
 - 574 Cactus Patches
 - 3 or more cactus
 - Greater than 75 cm tall
 - Within 15 m of each other

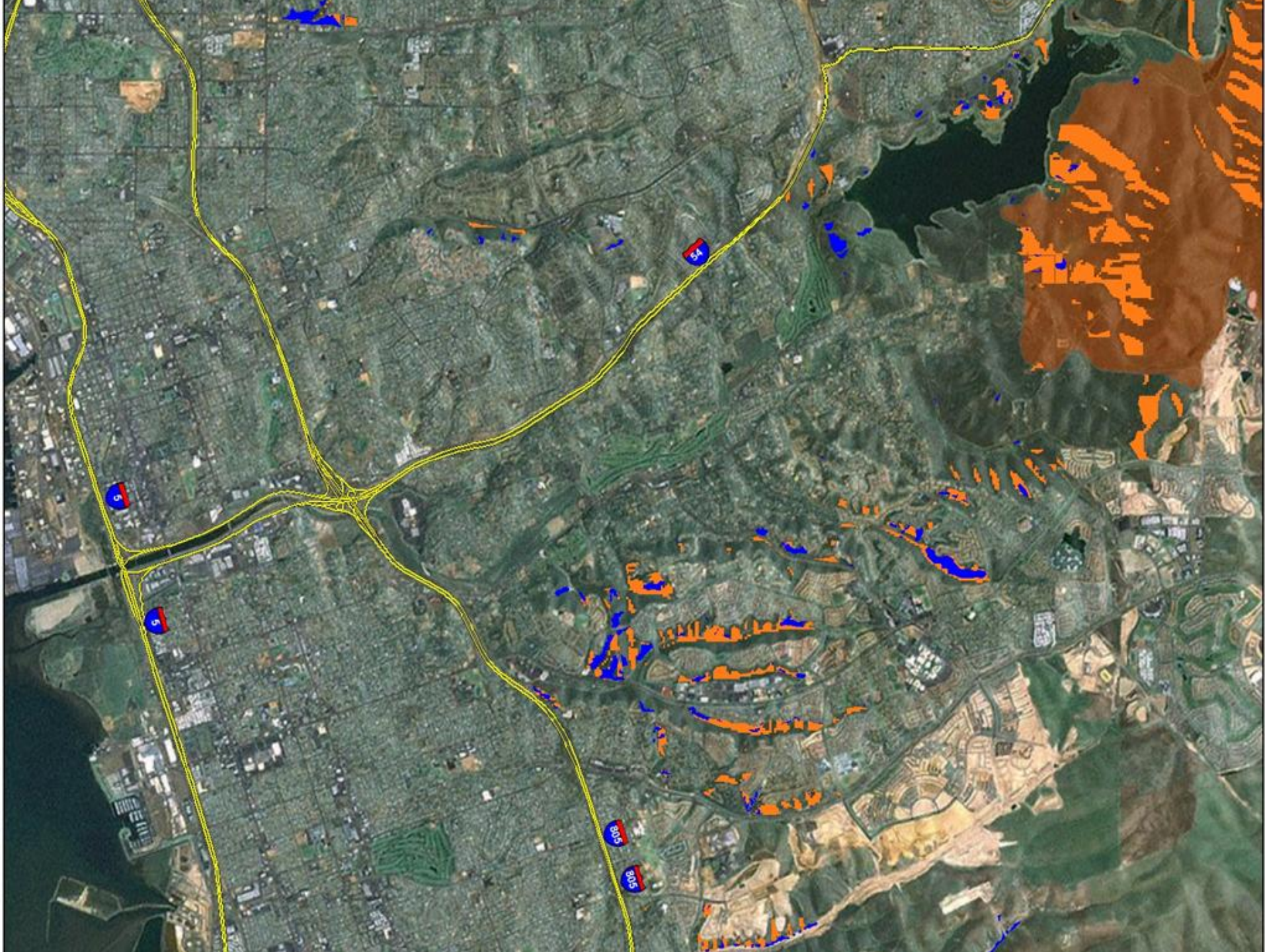
Classified cactus patches to conform with work being conducted in Orange County

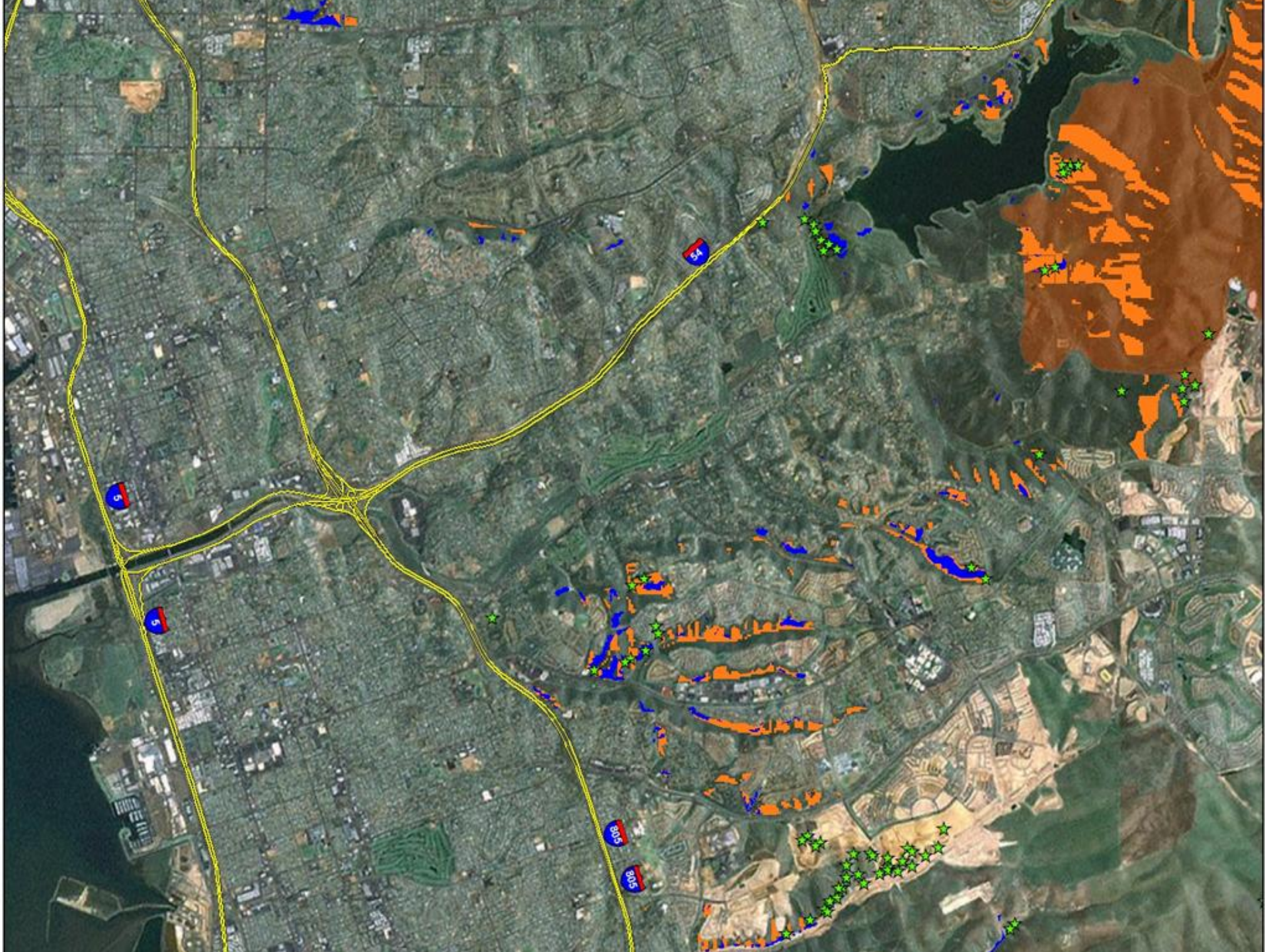
2009 Surveys

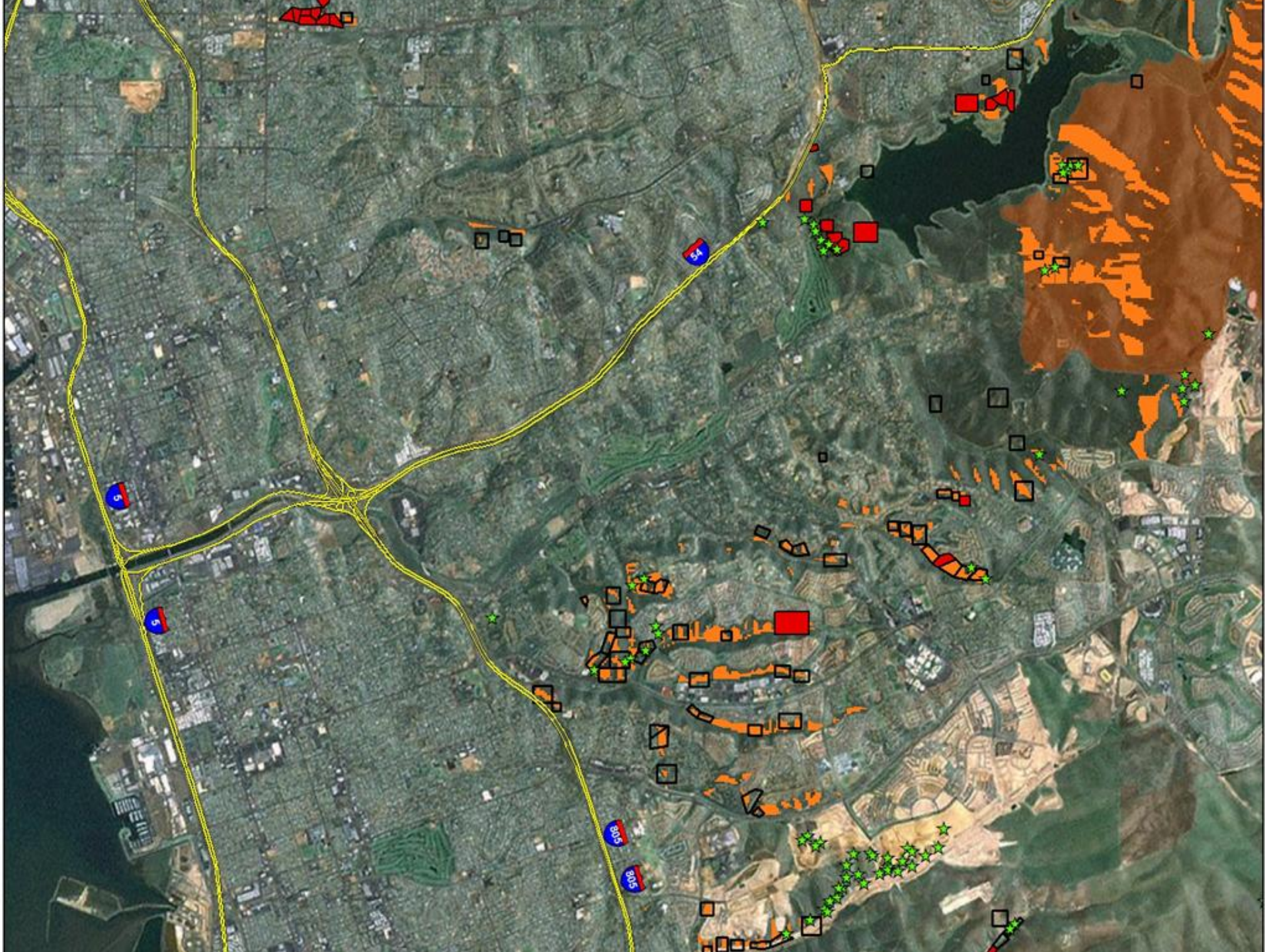
- Plots Surveyed
 - 355 Plots
 - Plots are mapped cactus
 - patches > 0.1 hectares
 - Presence/Absence Surveys
 - **P**ercent **A**rea **O**ccupied
 - Used play back tapes
 - Visited plots 3 times



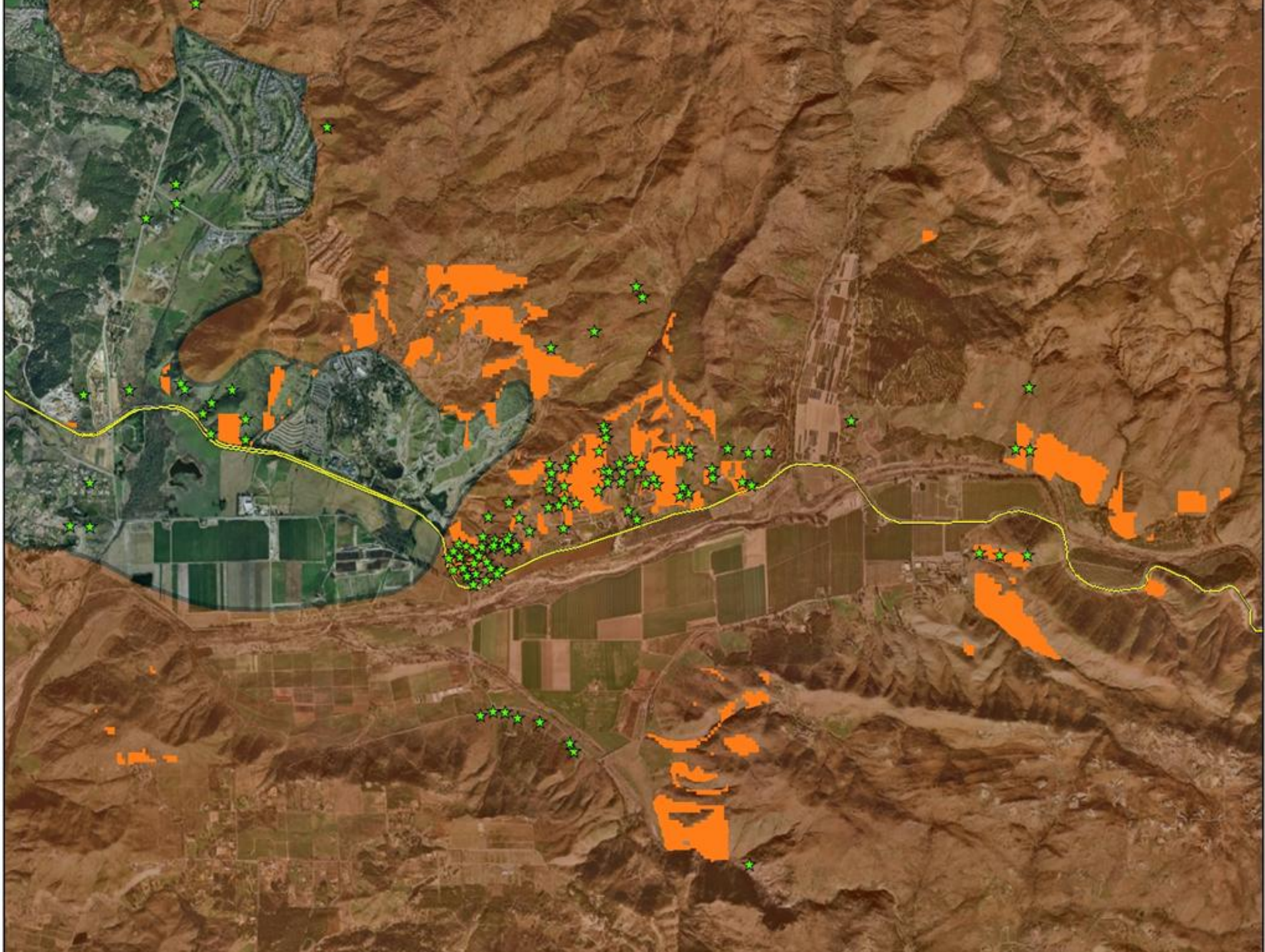


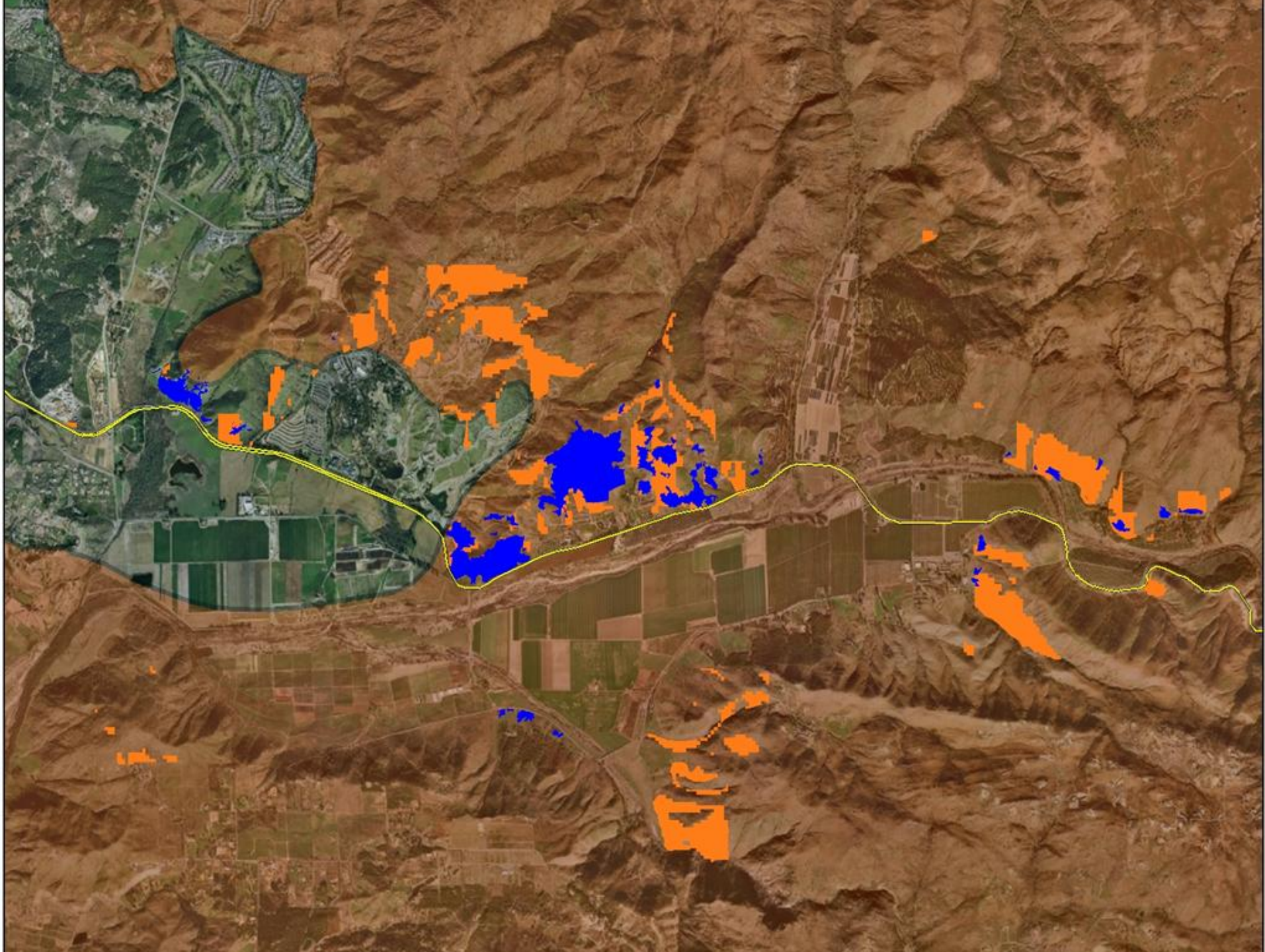


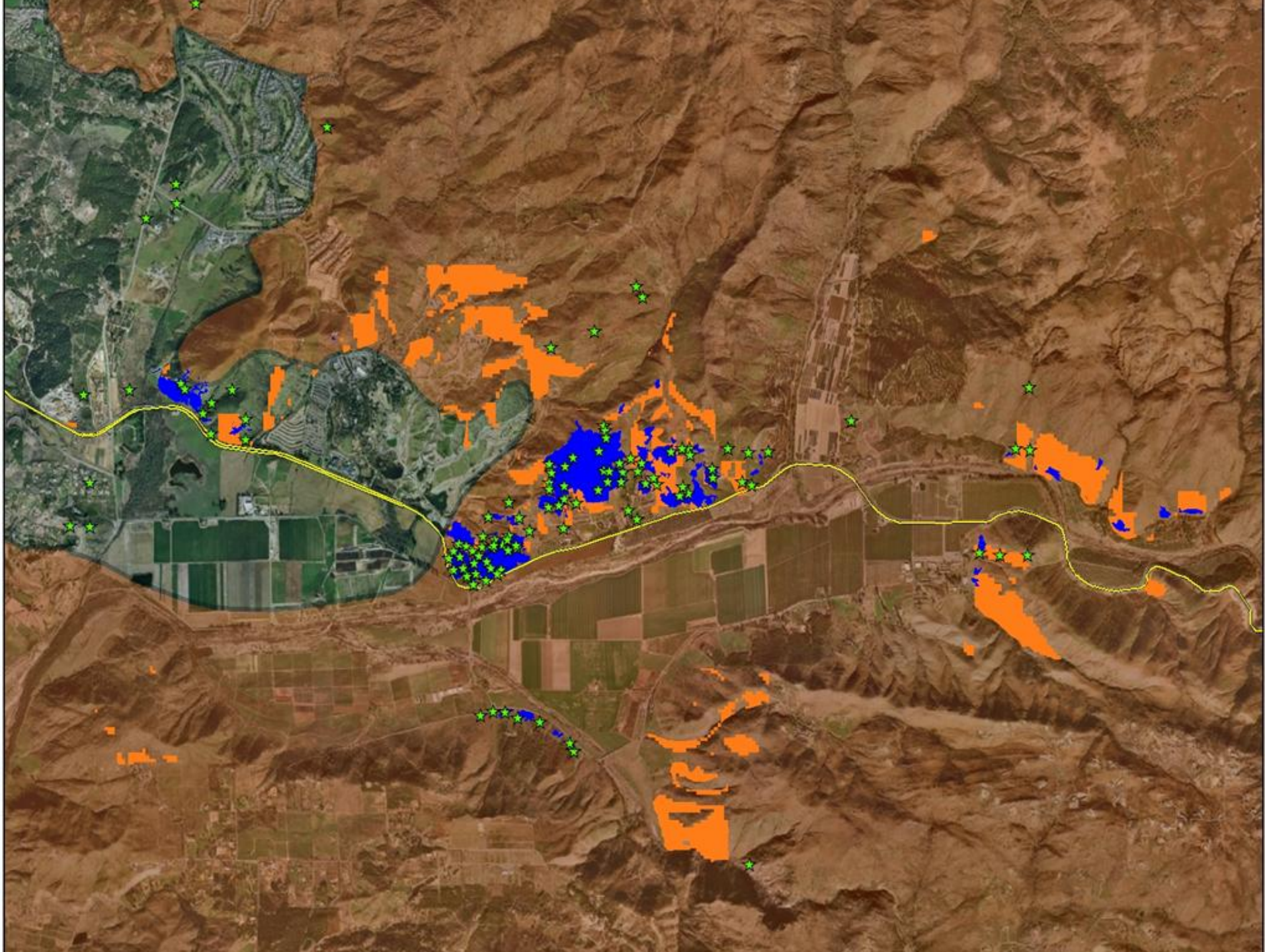


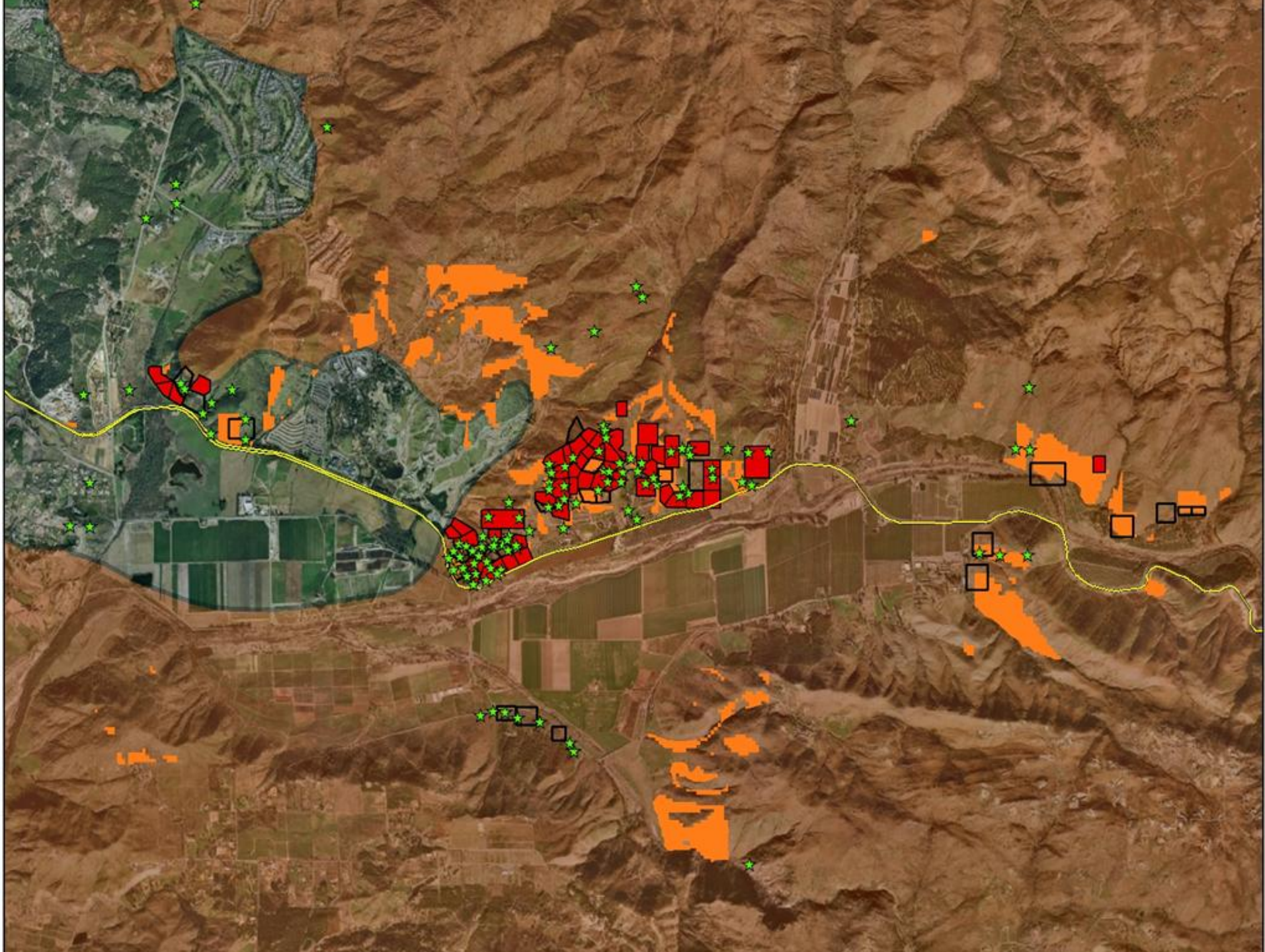










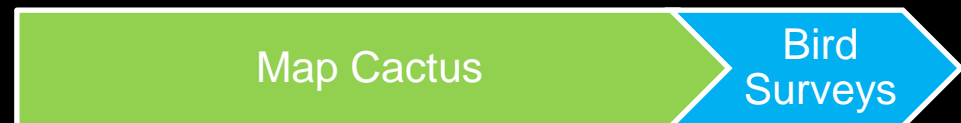
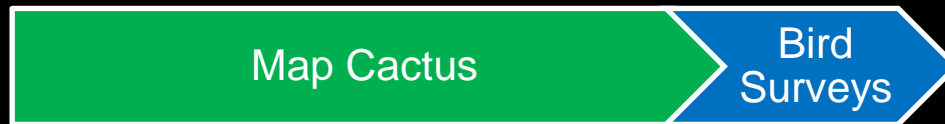


Future Plans

- ❖ Map cactus patches on southeast facing slopes
 - ❖ Complete mapping for southern aspect within **Sample Frame**
- ❖ Survey birds to calculate **P**ercent **A**rea **O**ccupied
 - ❖ Repeat surveys conducted in 2009 (southwest facing slopes)
 - ❖ Surveys newly mapped areas (southeast facing slopes)
- ❖ Determine habitat parameters affecting colonization
 - ❖ Distance between occupied patches
- ❖ Work with SD Zoological Society to link site specific habitat characteristics to landscape level parameters

Time Line

❖Original Schedule



❖Amended Schedule

Future Plans

Reasons for Delay



- ❖ Fiscal differences between agencies delayed project until late spring
- ❖ Avoid mapping cactus during hottest months
- ❖ CACW biologist observed lower detectability during October and November (highest during spring)



County of San Diego

US Geological Survey

San Diego Zoological Society

City of Chula Vista

City of San Diego

Nature Reserve Orange County

City of Santee

Bureau Land Management

US Forest Service

Helix Water District

California Dept Fish & Game

California Dept Transportation

Center Natural Lands Management

California Dept State Parks

Sweetwater Authority

City of Poway

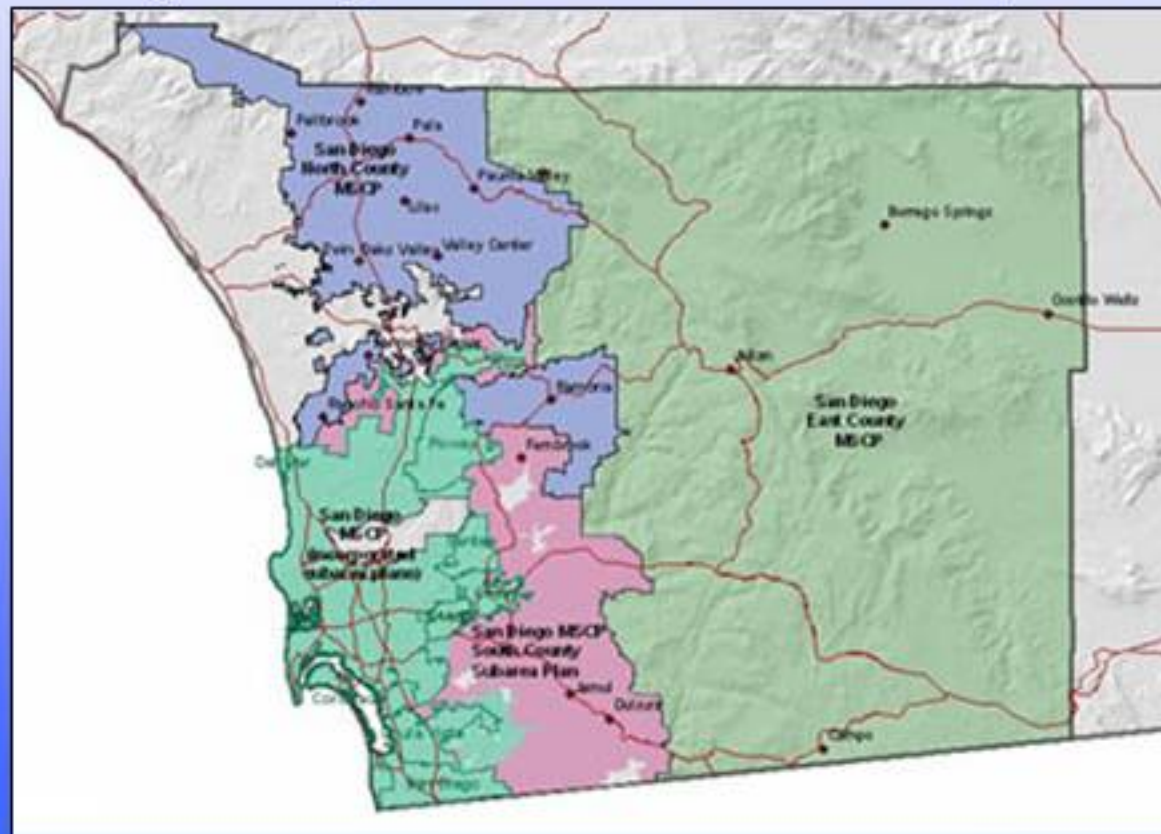
U.S. Fish & Wildlife Service





Enforcement/Management Issues and Solutions:

Off-Highway/Road Vehicles (OH/RVs)





OH/RVs



- Any vehicle with wheels/tread (OH/RVs)
 - Trucks, cars
 - ATVs, motorcycles
 - Dirt/mini bikes, scooters
 - Mountain bikes, cycles





Management Directives



- San Diego South County MSCP
 - *Subarea Plan Section 1.9:*
 - *Land Uses Allowed Within the Preserve*
 - » 1.9.1.2 (Off-Highway Vehicles): (a) Public off-highway recreational vehicle activity (trails, roads, parks, etc.) within MSCP preserve areas is incompatible with the goals of the MSCP.
 - *FRMP Section B:*
 - *General Management Directives*
 - » Public Access, Trails, and Recreation: (8) Off-road or cross-country vehicle activities are considered an incompatible use in the MSCP Preserve, except for law enforcement, preserve management, and/or emergency purposes.



Management Directives



- San Diego County Trails Program (CTP)
 - *Appendix G-Design and Location Criteria*
 - » C/S 1.3: Use of motorized vehicles on trails shall be prohibited, except for wheelchairs, maintenance, and emergency vehicles.
 - » CP 4.7: "When locating specific trail segments, prioritize locations that avoid significant impacts to sensitive environmental resources.



Management Directives



- City of San Diego MSCP

- 1.5.2 General Management Directives:

- *Public Access, Trails, and Recreation*

- » Priority 1: (6) Off-road or cross-country vehicle activity is an incompatible use in the MHPA, except for law enforcement, preserve management or emergency purposes. Restore disturbed areas to native habitat where possible or critical, or allow to regenerate.

- NCFUA Subarea 5

- » Priority 1: (3) Protect sensitive areas of Del Mar Mesa area from impacts from adjacent development. Use signage to inform people of the sensitivity of the vernal pools and the Del Mar Mesa area in general, and restrict off-road vehicle use of the area.



Management Directives



- DFG Code (Title 14 Chapter 11 Section 630)
 - (4) Motor Vehicles. No person shall drive, operate leave, or stop any motor vehicle, bicycle, tractor, or other type of vehicle in an ecological reserve except *on designated* access roads and parking areas.
 - (7) Trails. The Department *may designate* areas within an ecological reserve where added protection of plant or animal life is desirable, and *may establish* equestrian or walking trails or paths within such designated areas. No person shall walk or ride horseback in such areas except upon the established trails or paths.



Determining ER Compatibility

for

"Designated Areas"



- Species locations
- Wildlife movement
- Vernal pools
- Artificial baseline
- SDG&E access
- Uses not originally anticipated
- Intensity and duration of use
- Multiple Users
 - Specialized tracks
- Growth projections
- Back-yard perception



Del Mar Mesa



Carmel Mountain and Del Mar Mesa Preserves Resource Management Plan

Prepared for
City of San Diego
200 C Street, 5th Floor
San Diego, CA 92101
Contact: Katelyn Portinger

Prepared by
RECON Environmental, Inc.
1007 Fifth Avenue
San Diego, CA 92101-2098
P 619-308-9333 F 619-308-9334
RECON Number 9483-18
August 28, 2006
Revised April 25, 2008
Revised March 4, 2009

This document is provided as a reference only.



- Ownership**
- Private Property
 - City of San Diego
 - County of San Diego
 - CDDO
 - Other
 - Other Conservation

- Parcels for use of San Diego County**
- 1 - Metropolitan Water District
 - 2 - The Environmental Trust (ET)
 - 3 - Del Mar Mesa Water Center
 - 4 - Environmental Services
 - 5 - San Diego Canyon Mitigation

FIGURE 2-2
Ownership and Parcels Used for
Mitigation on Del Mar Mesa Preserve



Del Mar Mesa

Ecological Reserve



- MSCP Core Resource Area
 - Multiple ownerships and designations (e.g., ER, NWR, etc).
 - Total Del Mar Mesa MSCP Preserve at 880 + acres
- Set aside for conservation first
 - Mitigation sites, Section 6, exactions, other
- DFG ER is 78 total acres (two locations)
 - DFG Code Section 630



Access Issues





- **Daily challenges for all land managers**
 - In SD and all southern CA
 - Regional issues with localized “hot spots”
 - Common issues potential solutions
- **DFG Del Mar Mesa Ecological Reserve (ER)**
 - OH/RVs as main problem
 - Barrier/K-rail, fencing and gate damage
 - Vandalism
 - Off-path trail usage and damage to resources
 - Increase in demand in intensity of uses
 - Short and long-term cumulative resource impacts
 - Restoration opportunities to offset impacts and recovery habitats
 - Can affect species coverage *(CESA DFG Code 2050, 2080, 2800 et. seq.)*



DFG Del Mar Mesa ER



Legend

-  Vernal Pool Inventory 2003-2004
-  State of California Property

ER Signage and Access



del_mar_2009.mxd
Map by: Ken Devore DFG RS

Del Mar Mesa 2009

0 0.05 0.1 0.2 Miles



ER Damage

(Barriers, fencing and gate)





ER Vandalism

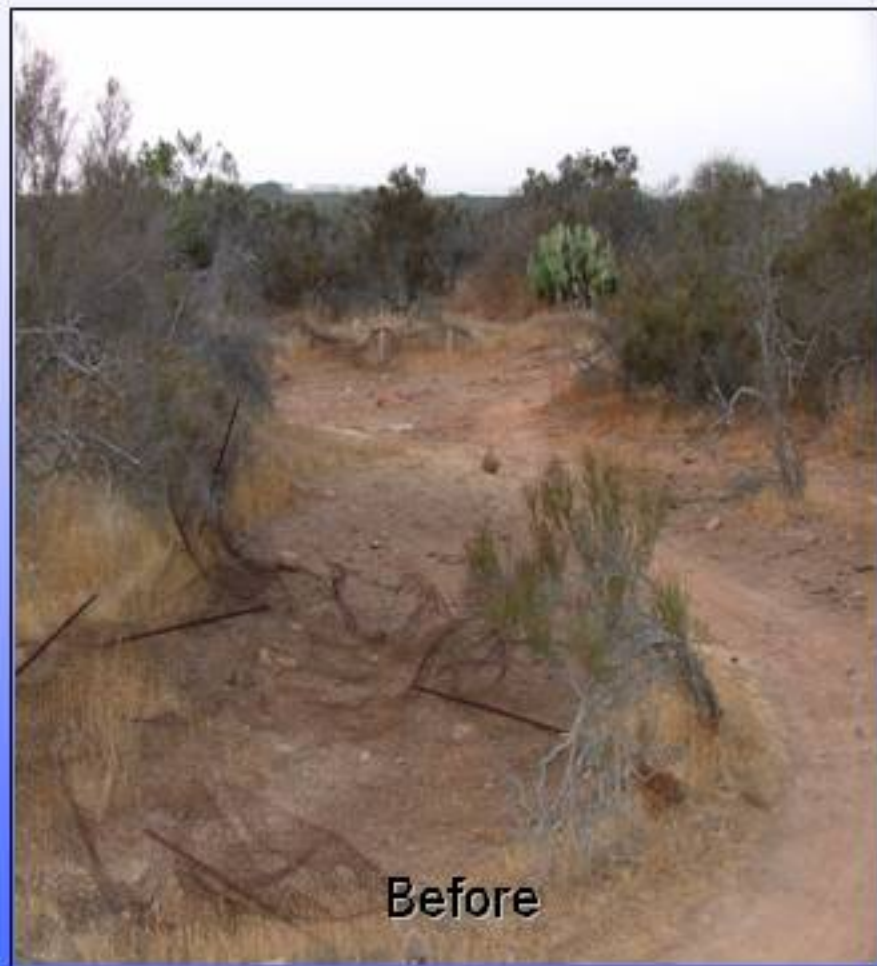




ER Resource Impacts



Vernal Pool Impacts from OH/RVs





ER Resource Impacts (OH/RVs)





ER Resource Impacts

Vernal Pools (Spring 2009)



Species Impacted
by vehicles



ER Impacts to Species



Pacific Tree Frog
(Pseudacris regilla)

Coast horned lizard
(Phrynosoma coronatum blainvillii)



San Diego button-celery
(Eryngium aristulatum parishii)



ER Impacts to Species

(Continued)



San Diego button-celery
(wet season)



San Diego button-celery
(dry season)



Solutions



- Enforcement
 - Local, state and individual/self
 - Rangers, Wardens, Sheriffs, police, NCCP/MSCP staff
- Direct Access Control
 - Barriers, fencing and gates
 - Signage and Kiosks
- Restoration
 - Passive and Active methods



Solutions



- Monitoring
 - Surveillance
 - Reporting per MSCP
- Public Outreach
 - Cooperative and Ownership
 - Stewardship Ethic
 - Volunteer Patrols
- Area Specific Management Directives (*ASMDs*)
 - HMP/RMP Development and Approval
- Closures



ER Restoration

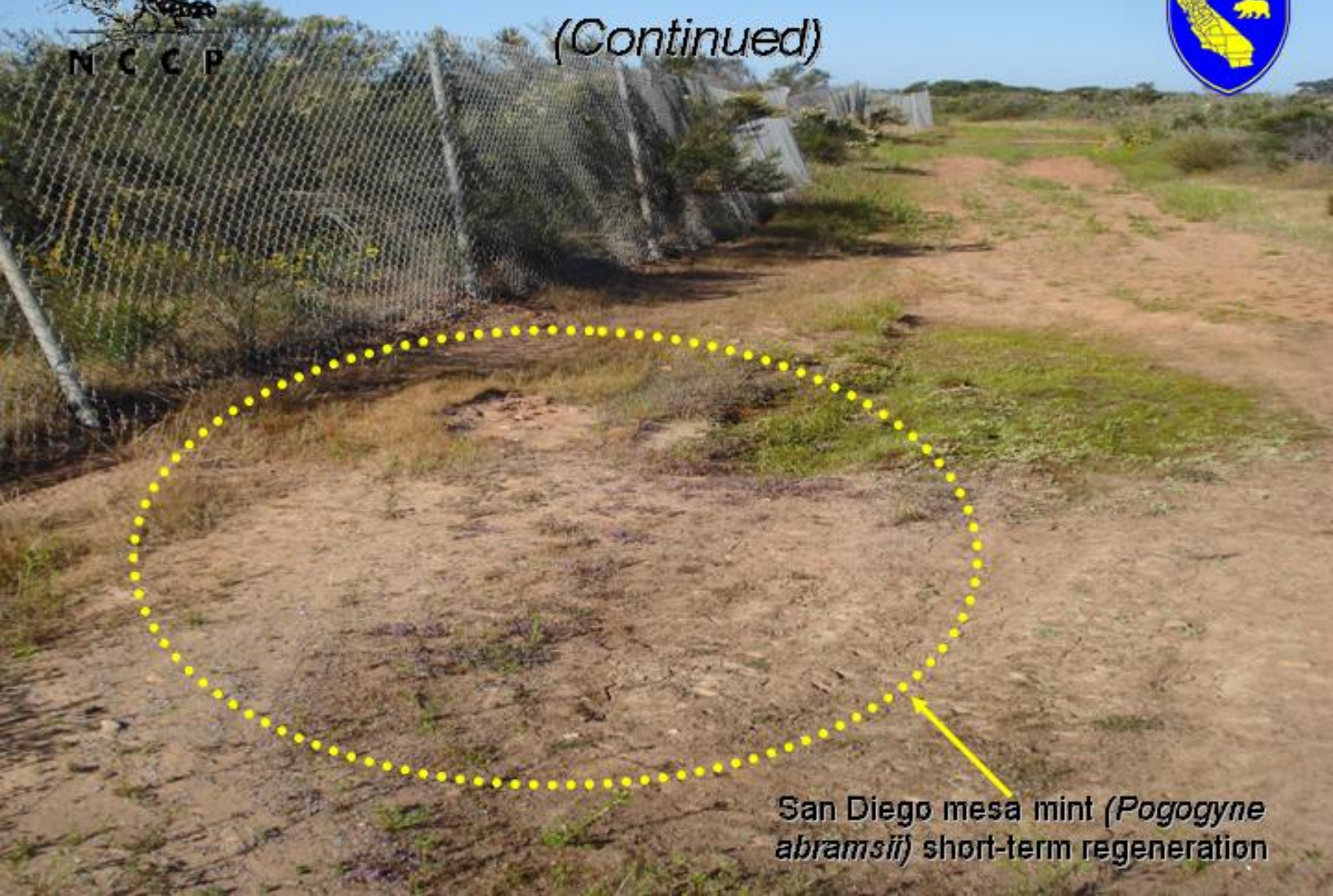
(Impacted Vernal Pools)





ER Restoration

(Continued)

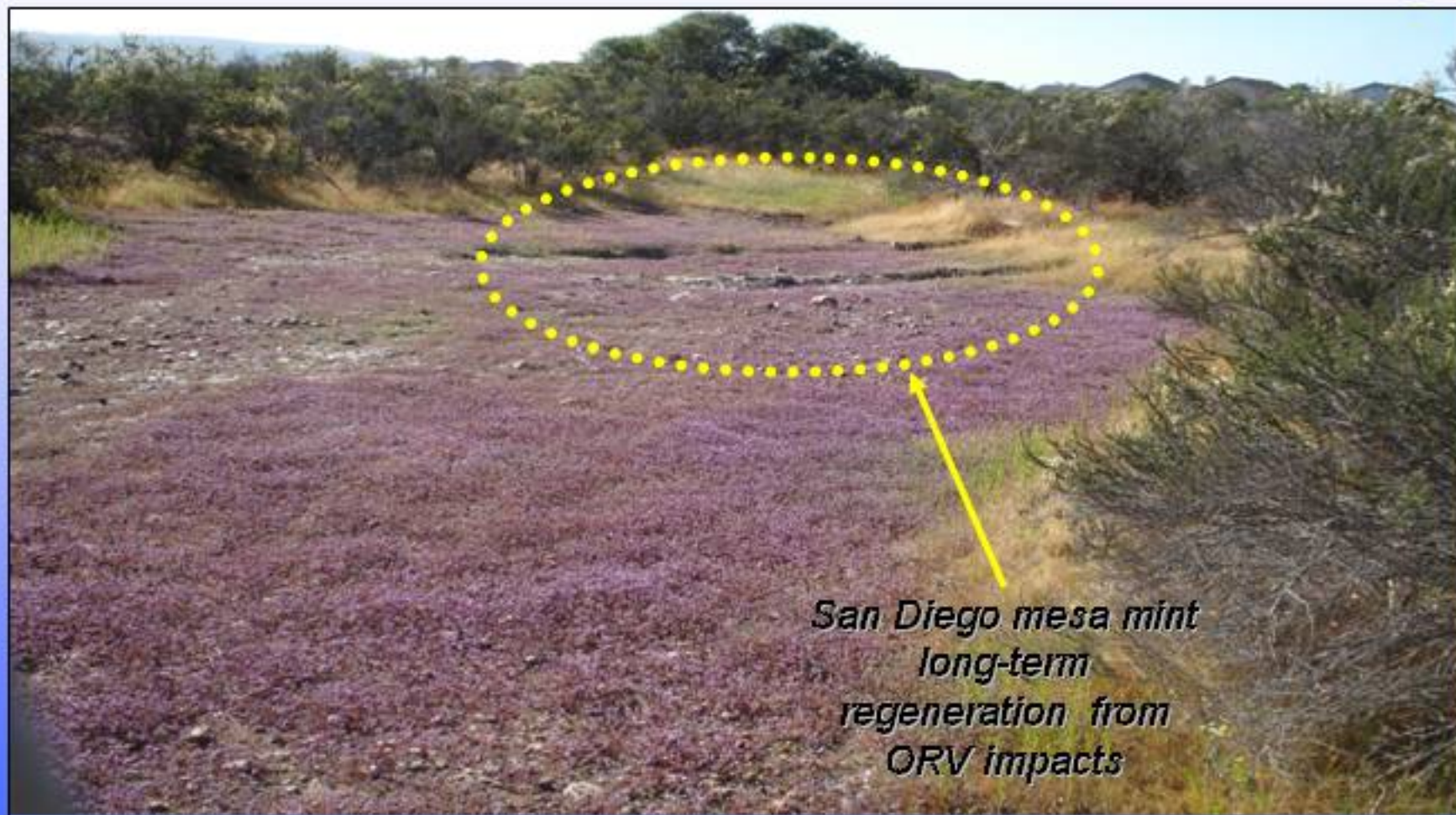


San Diego mesa mint (*Pogogyne abramsii*) short-term regeneration



ER Restoration

(Continued)





Conclusion and Next Steps



- Substantial progress working with local jurisdictions
- Iterative/adaptive process that requires constant enforcement/resources (+/- results)
- Public involvement and "ownership" is essential to successful management
- Signage has been key to informing users of designated access



Conclusion and Next Steps



- OH/RVs (e.g., trucks and ATVs) under control with structural fixes (fencing, K-rail) and targeted enforcement
- Other OH/RV users (bikes) and non vehicular uses (equestrian and hiking) need to be addressed.
 - Less of an immediate impact, but can be just as destructive over time.



Conclusion and Next Steps

(continued)



- **Finalize the Del Mar Mesa RMP**
 - Resource and species first in MSCP/core areas
 - Balanced approach with all stakeholders
- **SANDAG and Regional Strategy**
- **Continual Monitoring and Enforcement**
 - MSCP permits
 - Community



Acknowledgments



- U. S. Fish and Wildlife Service
- County of San Diego
- City of San Diego
- Air Resources Board
- Community Planning Groups
- Stakeholders/Public